AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions of claims in the application:

LISTING OF CLAIMS:

1. (PREVIOUSLY PRESENTED) A magnetic disk drive system having a disk and a slider, an outer surface of the disk having a surface microwaviness (Wq) of about 3 angstroms or less at a scale of about 200 microns and higher along the disk surface, and a surface roughness (Rq) of about 4.5 angstroms or more at a scale along the disk surface of less than about a length of a pad of the slider carrying a head for writing to the disk.

2. (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about 200 microns.

3. (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about 100 microns.

4. (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk has a surface microwaviness of about 3 angstroms or less at a scale of between about 500 and 1000 microns.

5. (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the disk has a surface roughness of less than about 4.5Å at a scale of about 5 microns or less.

6. (CANCELED)

7. (CANCELED)

8. (PREVIOUSLY PRESENTED) A system as recited in claim 1, wherein the slider flies at a fly height of about 5 nanometers or less from the disk surface.

9. (PREVIOUSLY PRESENTED) A magnetic disk having a surface microwaviness (Wq) of about 3 angstroms or less at a scale on the disk surface of about 200 microns and higher, and a surface roughness (Rq) defined by an average distance of about 4.5 angstroms or more at a scale along the disk surface of less than or equal to about 100 microns.

10. (CURRENTLY AMENDED) A disk as recited in claim 9, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about ~~200~~ 100 microns and greater than about 10 microns.

11. (CURRENTLY AMENDED) A disk as recited in claim 9, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about 100 microns and greater than about 10 microns.

12. (PREVIOUSLY PRESENTED) A disk as recited in claim 9, wherein the disk has a surface microwaviness of about 3 angstroms or less at a scale of between about 500 and 1000 microns.

13. (CURRENTLY AMENDED) A disk as recited in claim 9, wherein the disk has a surface roughness of about 4.5 angstroms or more at a scale of less than about 100 microns and greater than about 10 microns, wherein the disk has a low

surface roughness distinct from Rq of less than about 4.5 angstroms at a scale of about 5 microns or less.

14. (PREVIOUSLY PRESENTED) A system as recited in claim 15, wherein the slider flies at a fly height of about 5 nanometers or less from the disk surface.

15. (PREVIOUSLY PRESENTED) A magnetic storage system, comprising:
a magnetic disk;
at least one head for reading from and writing to the magnetic media;
a slider for supporting the head, the slider having a pad; and
a control unit coupled to the head for controlling operation of the head;
wherein an outer surface of the disk has a surface microwaviness (Wq) of about 3 angstroms or less at a scale of about 500 microns and higher along the disk surface, and a surface roughness (Rq) of about 4.5 angstroms or more at a scale of less than about a length of the pad of the slider.